

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

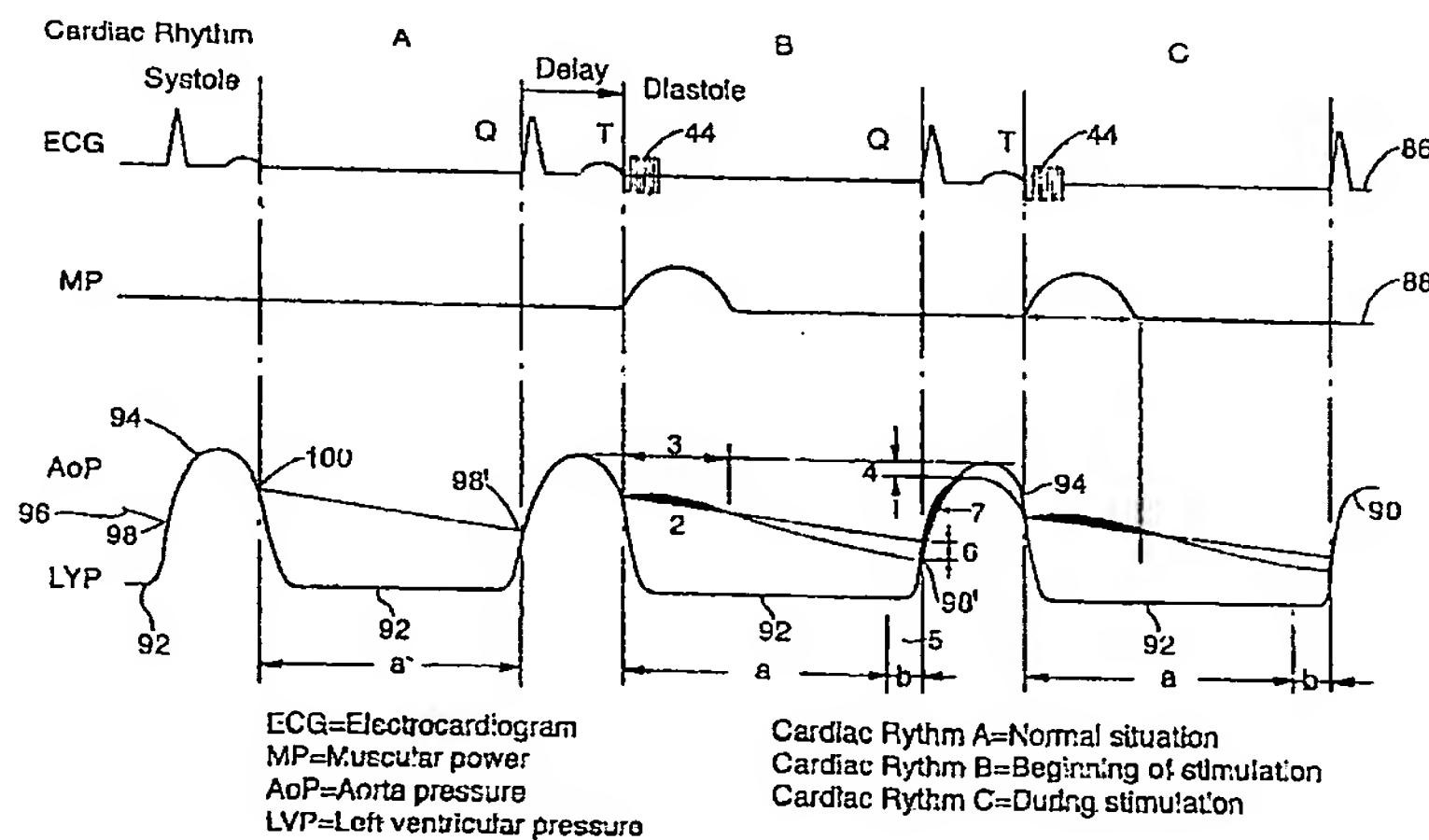
(10) International Publication Number
WO 2005/044374 A1

- (51) International Patent Classification⁷: **A61N 1/365, A61B 5/0456**
- (21) International Application Number:
PCT/EP2004/012619
- (22) International Filing Date:
8 November 2004 (08.11.2004)
- (25) Filing Language:
English
- (26) Publication Language:
English
- (30) Priority Data:
03025662.2 7 November 2003 (07.11.2003) EP
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- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTROTHERAPY APPARATUS AND METHOD OF TREATING A PERSON OR A MAMMAL USING SUCH ELECTROTHERAPY APPARATUS



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(57) Abstract: An electrotherapy apparatus comprising a sensor for detecting periodically recurring signal peaks, in particular the R-R peaks of an electrocardiogram of a person, a processor for deriving from the time interval between said periodically recurring signal peaks a time delay corresponding to approximately the end of the T-wave and a trigger system initiated by an output signal of said processor or embodied within said processor for applying electrical stimulations to one or more active electrodes provided on the said person at a time related to the end of said time delay is characterized in that the processor is adapted to generate, in addition to an initial electrical stimulation to induce muscle contraction, a plurality of further electrical stimulation pulses with intervals between each of said further electrical stimulation pulses, so that said further electrical stimulation pulses maintain said muscle contraction over a period extending from said initial electrical stimulation substantially up to a time just before a next expected R-peak.